

GATTACA
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GCATGCG

compute overlap?

match = 1 mismatch = -1 gap = -1

	0	G	C	A	T	G	C	G
G	0	-1	-2	-3	-4	-5	-6	-7
A	-1	1 ← 0	-1	-2	-3	-4	-5	
T	-2	0	0	1	0	-1	-2	-3
T	-3	-1	-1	0	2	1	0	-1
T	-4	-2	-2	-1	1	1	0	-1
A	-5	-3	-3	-1	0	0	0	-1
C	-6	-4	-2	-2	-1	-1	1	0
A	-7	-5	-3	-1	-2	-2	0	0